



PTO/SB/08A (07-05)

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of 4

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Application Number	10/624,704
Filing Date	July 21, 2003
First Named Inventor	Liwei Ren
Art Unit	2163
Examiner Name	U. LE
Attorney Docket Number	DOGO.P014

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
u		US- 6374250	04-2002	AJTAI	
		US- 6327671	12-2001	MENON	
		US- 5832520	11-1998	MILLER	
		US- 5479654	12-1995	SQUIBB	
		US- 6088694	07-2000	BURNS	
		US- 6694336	02-2004	MULTER	
		US- 5742905	04-1998	PEPE	
		US- 6167258	12-2000	SCHMIDT	
		US- 20020099726	07-2002	CRUDELE	
		US- 20030212712	11-2003	GU	
		US- 20020129107	09-2002	LOUGHRAN	
		US- 20040062130	04-2004	CHIANG	
		US- 20040098427	05-2004	PENG	
		US- 20040098420	05-2004	PENG	
		US- 20040092255	05-2004	JI	
		US- 20040098413	05-2004	PENG	
		US- 20040098421	05-2004	PENG	
		US- 20040098361	05-2004	PENG	
✓		US- 20040111427	06-2004	GU	

FOREIGN PATENT DOCUMENTS

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UYEN HE

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16 Sept 05

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		Number-Kind Code ² (if known)			
UL		US- 6052531	04-2000	WALDIN	
		US- 6269456	07-2001	HODGES	
		US- 6349311	02-2002	SOBEL	
		US- 6470329	10-2002	LIVSCHITZ	
		US- 6526574	02-2003	JONES	
		US- 6535894	03-2003	SCHMIDT	
		US- 6615404	09-2003	GARFUNKEL	
		US- 6651190	11-2003	WORLEY	
		US- 6836657	12-2004	JI	
		US- 6401239	06-2002	MIRON	
		US- 6018747	01-2000	BURNS	
		US- 6671703	12-2003	THOMPSON	
		US- 6542906	04-2003	KORN	
		US- 6233589	05-2001	BALCHA	
		US- 5574906	11-1996	MORRIS	
		US- 5813017	09-1998	MORRIS	
		US- 20010029178	10-2001	CRISS	
		US- 20010049263	12-2001	ZHANG	
✓		US- 20040220980	11-2004	FORSTER	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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First Named Inventor	Liwei Ren
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Art Unit	2163
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Examiner Name	D. LF
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Attorney Docket Number	DOGO.P014
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**Examiner
Signature**

UYEN WE

Date: _____
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16 Sept 05

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Sheet 4	of 4	Attorney Docket Number	DOGO.P014

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
W		TICHY, Walter F., "The string-to-string correction problem with block moves", ACM Transaction on Computer Systems, Vol. 2, No. 4, Nov. 1984, pp. 309-321.	
		AJTAI, Miklos et al., "Compactly encoding unstructured inputs with differential compression", IBM Almaden Research Center, 44 pages. NO DATE	
		BURNS, Randal C. et al., "In-place reconstruction of delta compressed files", IBM Almaden Research Center, 9 pages. NO DATE	
		BURNS, Randal et al., "In-place reconstruction of version differences", IBM Almaden Research Center, 25 pages. NO DATE	
✓		ZIV, Jacob et al., "A universal algorithm for sequential data compression", IEEE Transactions on Information Theory, Vol. IT-23, No. 3, May 1977.	

Examiner Signature	UYEN LE	Date Considered	16 Sept 05
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